

## **Biology**

### **Chapter 4 Review**

#### **Know All Vocabulary, especially:**

Chloroplast  
Cristae  
Cytoplasm  
Dark phase  
Exons  
Introns  
Extracellular digestion  
Glycolysis  
Golgi Body  
Grana  
Intracellular digestion  
Light reactions  
Lysosome  
Stroma

#### **Short Answer**

Which element compound cannot be recycled?

Give an example of an autotrophic organism.

What is the destructive(energy releasing) phase of metabolism?

What is another term for a nutritionally dependent organism?

What carries the DNA code from the nucleus to the ribosomes?

What are the major products of photosynthesis?

What does each messenger RNA codon code for?

Name a phosphorus-containing compound that stores energy.

What molecule delivers amino acids to the ribosomes?

What substance is most directly involved in photosynthesis and is assisted by other substances?

What is the nitrogen-containing base in RNA?

Who discovered most of the information about photosynthesis?

What is the breakdown of glucose without the presence of oxygen called?

What is the most important function of chlorophyll?

What is cellular respiration?

In what phase of photosynthesis are water molecules split?

What is the process that does not use oxygen?

Does the dark phase of photosynthesis take place in the light?

What is RuDP?

What is chemosynthesis?

What is the anticodon that would line up with the codon UAC?

What base pairs with cytosine in DNA?

What does tRNA transfer?

Which type of RNA has codons?

Which type of RNA does not have codons nor anticodons?

Which type of RNA has codons?

How do the three types of RNA work together to form protein?

What factors affect metabolic rate?